



Town of Merrimack, New Hampshire

6 Baboosic Lake Rd · Merrimack, NH 03054 · www.merrimacknh.gov

June 9, 2016

REQUEST FOR BID CHEMICALS

Sealed bids will be received by the Town of Merrimack until 2:00PM on Tuesday, June 28, 2016 to supply and deliver sodium hypochlorite, sodium hydroxide, and sodium bisulfite to the Merrimack Wastewater Treatment Facility, in accordance with the enclosed specifications and following conditions.

- All chemical prices shall reflect the actual cost of delivery (including fuel), to the Wastewater Treatment Facility, Merrimack, New Hampshire. No fuel surcharge is allowed.
- All chemicals shall be accompanied by a certificate of analysis.
- MSDS sheet to accompany initial delivery after July 1, 2016.
- All amounts are estimates and in no way constitutes a guarantee of actual usage.

ALL BIDS ARE TO BE FIRM FOR THE ENTIRE FISCAL YEAR FROM JULY 1, 2016 THROUGH JUNE 30, 2017.

The amounts required are approximate and/or given for comparison bids only.

Bidders should direct questions concerning the above to Mr. James E. Taylor, Assistant Director of Public Works, telephone 603-883-8196.

The bid shall be submitted on the Bid Form furnished herewith and shall exclude state and federal taxes not applicable to municipalities. The bid price shall include delivery and be quoted F.O.B. Town of Merrimack, Wastewater Treatment Facility, 36 Mast Rd, Merrimack, NH.

The Town reserves the right to reject any or all bids, to waive irregularities in the bids, and to accept the bid which best serves the interest of the Town.

Two copies of the bids must be marked "Bid on Chemicals", be sealed and shall include the bid form furnished and be mailed to the Town of Merrimack Finance Department, 6

Baboosic Lake Rd, Merrimack, NH 03054 by the time specified above when they will be read aloud.

It is the bidder's responsibility to confirm the bid is received by the Finance Department by the date and time specified.

The Town of Merrimack's Purchasing Policy is available on the Town's website:
http://www.merrimacknh.gov/town/departments/finance/bid_opportunities;
a copy may be obtained by contacting the Purchasing Agent.

For additional information contact Xenia Simpson, Purchasing Agent, at
xsimpson@merrimacknh.gov or (603) 424-7075.



TOWN OF MERRIMACK, NEW HAMPSHIRE

FINANCE DEPARTMENT

6 Baboosic Lake Road
Merrimack, NH 03054

Tel: 603-424-7075

Fax: 603-424-0516

SPECIFICATIONS FOR WASTEWATER TREATMENT PLANT CHEMICALS – DELIVERED

Sodium Hypochlorite (wt %)

	Minimum	Typical	Maximum
	12.5	14.0	15.6
<u>Excess Sodium Hydroxide</u>			
Weight Percent	0.1	0.6	2.0
Grams/Liter	1.2	7.7	25.0
<u>Available Chlorine</u>			
Weight Percent	11.9	13.3	14.8
Trade (Volume) Percent	14.2	16.1	18.5
Grams/Liter	142	161.4	185
Specific Gravity @ 68°F (20°C)	1.196	1.211	1.249
Weight of Solution @ 68°F (20°C)	10.0	10.1	10.4
<u>Inert Ingredients</u>			Maximum
Sodium Carbonate	Na ₂ CO ₃		0.5% wt
Sodium Chloride	NaCl		12.5% wt
<u>Inorganic Salts</u>			Typical
Copper	Cu	0.7 mg/L	0.5% wt
Iron	Fe	2.0 mg/L	0.5% wt
Nickel	Ni	<1.0 mg/L	3.0 ppm
Manganese	Mn	0.1 mg/L	1.0 ppm
Silicon	Si		100 ppm

Approximate usage is 35,000 gallons per year. Minimum delivery is 3,000 gallons.

Sodium hypochlorite deliveries to be weighed in and out on Merrimack Wastewater Facility scale for billing purposes.

Delivery hours between 7am and 12 pm Monday through Friday, early morning preferred.

Deliveries must be made within 48 hours.

Supplier shall provide an SDS (Safety Data Sheet) that meets the UN Global Harmonization System (GHS) on the first delivery

Bid period is July 1, 2016 through June 30, 2017

Sodium Hydroxide (25% solution)

Sodium Hydroxide % Range: 24 to 26

Total Alkali as NaO%: 18.6 to 20.14

Specific Gravity: 1.267 to 1.289

Carbonates % Na₂CO₃: 0.013 to 0.05

Chlorates % NaClO₃: 0.0005 to 0.153

Chlorides % NaCl: 0.01 to 0.561

Sulfates % Na₂SO₄: 0.0025 to 0.013

Metals

Iron	< 3 ppm
Copper	< 0.3 ppm
Nickel	< 0.3 ppm
Mercury	< 0.03 ppm
Lead	< 7 ppm
Arsenic	< 1 ppm

Approximate usage is 330 gallons per year delivered in 55 gallon drums.

Supplier shall provide an SDS (Safety Data Sheet) that meets the UN Global Harmonization System (GHS) on the first delivery.

Deliveries are to be made within 7 business days. Delivery hours are 7am to 12pm, early morning preferred.

Bid period is July 1, 2016 through June 30, 2017.

Sodium Bisulfite (38% solution)

Sodium Bisulfite shall be supplied as an aqueous solution having a concentration of 38% (+/- 2%). Regular analysis shall be performed on the product to maintain quality control and assure that the product delivered to the Town shall remain within the following ranges:

Iron (as Fe) < 5 ppm
Heavy Metals (as Pb) < 5 ppm
Specific Gravity @ 70° F 1.331 – 1.375
ph @ 1% solution @ 70° F not less than 3.0 nor greater than 8.0
NaHSO₃ between 36.0% - 42.0%

As an overriding factor, regardless of any specification stated herein, the product shall not contain compounds or elements or minerals in such concentrations as to cause or contribute to an effluent limitation in the facilities permit to be exceeded. The supplier shall initially, and as requested by the town, provide analysis and documentation of all trace metals and compounds that exist in the Sodium Bisulfite solution. The supplier shall also indicate typical pH of the solution. Product being delivered to the facility having a concentration of less than 36% or greater than 45% solution, by weight, of Sodium Bisulfite shall be considered unacceptable and not in conformance with the terms of the contract. In no case shall product in excess of 45% solution, by weight, of anhydrous Sodium Bisulfite be delivered to the facility. Product not meeting the specifications as outlined in this document, if known at the time of delivery, is cause for rejection. Supplier shall provide an SDS (Safety Data Sheet) that meets the requirements of the UN Global Harmonization System (GHS) on the first delivery.

Approximate usage is 10,000 lbs per year.

Bisulfite deliveries to be weighed in and out at the Merrimack Wastewater Treatment Facilities' scale.

Delivery hours between 7am and 12pm Monday through Friday, early morning preferred.

Deliveries must be made within 48 hours from date of order.

Bid period is July 1, 2016-June 30, 2017



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Tel: 603-424-7075

Fax: 603-424-0516

Bid on Chemicals

Bid Form

Due by 2:00PM on Tuesday, June 28, 2016

Sodium Hypochlorite: \$ _____ /gal

Sodium Hydroxide: \$ _____ /gal

Sodium Bisulfite: \$ _____ /lb

*includes all costs, including cost of fuel for delivery

The above bid is provided in accordance with the Town's bid invitation dated June 9, 2016, except as indicated below.

Bidder: _____

Street Address: _____

City, State, Zip Code: _____

Phone No: _____ Fax No: _____

Authorized Signature: _____

Printed Name: _____

Date: _____

E-mail: _____